

# PATENT ABSTRACTS OF JAPAN

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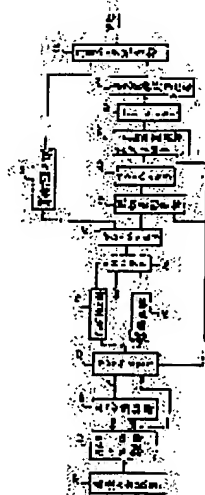
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## (54) PICTURE ENCODING DEVICE

### (57)Abstract:

**PURPOSE:** To efficiently compress a picture data while suppressing the degradation of picture quality by executing the various types of encoding to a black line picture part and a part excepting for the black line picture part.

**CONSTITUTION:** A means 15 is provided to decide a black character, a means 19 is provided to detect the colorless part of a picture element around the black character, a means 21 is provided to subtract the black character part and the colorless part from an original picture for the unit of a picture element and to replace the subtracted part with the average value of a surrounding color, and encoding means 18 and 23 are provided to execute the various types of encoding to the black line picture part and the part excepting for the black line picture part. While using a luminance (Y) signal, the edge of the colorless part only is emphasized without imbalancing the colors. Therefore, it is possible to sharply reproduce the detailed part of the black character which is read while being slightly crushed in the case of inputting the picture. Thus, the accuracy and efficiency of detecting and encoding a black character pattern can be improved.



## LEGAL STATUS

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